

Patent Claims

1. A method for the production of heterologous proteinaceous substances in plant material,  
5 characterized in that protonema moss tissue is used as plant material and that the proteinaceous substances produced are obtained from the culture medium without disrupting the producing tissues or cells.
- 10 2. The method according to claim 1, characterized in that the proteinaceous substance released into the culture medium is biologically active.
- 15 3. The method according to claim 1 or 2, characterized in that a culture medium is used which is free from sugars, vitamins and phytohormones or functional fragments thereof.
- 20 4. The method according to any of claims 1 to 3, characterized in that the moss tissue is selected from the group of the mosses including liverworts.
- 25 5. The method according to claim 4, characterized in that the moss tissue is selected from mosses of the group consisting of *Physcomitrella*, *Funaria*, *Sphagnum* and *Ceratodon*.
- 30 6. The method according to claim 4, characterized in that the moss tissue is selected from liverworts of the group consisting of *Marchantia* and *Sphaerocarpos*.

AMENDED SHEET

Sub  
A1

add  
A2